

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An objective pivoting device (1) for pivoting an objective concentrically arranged therein, about two mutually perpendicular axes (A-A; M-M) that cross at a point of intersection on the optical axis of the objective, wherein the objective is held in an objective holder (53) and the same is supported pivoting in bearings (15, 40) in two degrees of freedom of a spherical surface (16) and these bearings (15, 40) are disposed on a stationary holding frame (17) on which two pivoting adjustment means (20, 21) are provided, one of which is operatively linked with meridionally diametrical bearing elements (15), and the other one with equatorially diametrical bearing elements (15) of the objective holder (53) in each case, and wherein the latter have a compensating degree of freedom, characterized in that the compensating degree of freedom of the equatorial bearing elements (15) is provided in each case through a pivotability in a bearing element (40) on the holding frame or by a

displaceability in a given meridional plane on the objective holder (53) and that the pivoting adjustment means (20, 21) in each case comprise a cable drive with three cable sections (20A - 20C; 21A - 21C), the first cable section (20A; 21A) of which is guided from a coil around the adjustment shaft (22A; 23A) to the first of the bearing elements (15, 40) and the second cable section (20B, 21B) from this bearing element to a second bearing element (15, 40) that is coaxial to the former, and the third cable section (20C, 21C) is guided back from it to a second coil (22B, 23B) around the adjustment shaft (22C, 23C) of the pivoting adjustment means (20, 21), and that the two cable sections (20A, 20B; 20B, 20C; 21A, 21B; 21B, 21C) that act upon one of the bearing elements (15, 40) meet in each case in the given bearing element on its associated swivelling axis (A-M, M-A) in a pivoting region of a bearing shield (31 - 34) of the bearing element and are fixed on the bearing shields (31 - 34) in each case in an associated manner at one and the other end of an equatorial or meridional guide channel, into which a guide deflection roller (39) engages in a guiding manner in each case.

2. (Original) The objective pivoting device of claim 1, characterized in that the guide deflection rollers (39) of the meridional swivelling axis (M-M) are supported on

the holding frame (17) only rotatable and the other guide rollers (39) are supported rotatable and pivotable about the equatorial axis (A-A) in the bearing elements (40), or the associated bearing shields (32, 34) are held displaceable in the meridional direction in guide recesses (74) in the objective holder (53).

3. (Original) The objective pivoting device of claim 2, characterized in that the bearing elements (40) consist of outer and inner bearing shells (40A, 40B; 40C, 40D) that are fixed with bearing blocks (43) on the holding frame (17) in each case.

4. (Currently Amended) The objective pivoting device of claim ~~2~~ 3, characterized in that the inner bearing shells (40C, 40D) incorporate support bores for supporting a shaft (41) of the guide deflection roller (39).

5. (Currently Amended) The objective pivoting device of claim ~~4~~ 3, characterized in that at least the outer bearing shells (40 A, 40B) contains a bore coaxial to ~~the~~ inner support bores, into which one shaft end (41E) of ~~the~~ a shaft (41) projects when the bearing elements (40A - 40D) are fixed relative to one another.

6. (Currently Amended) The objective pivoting device of ~~any of claims 3 through 5~~, characterized in that in the two bearing blocks (43) located away from the respective bearing shield (31 - 34), one leveling roller (39A, 39B) is disposed in each case slanted toward the other one and toward the holding frame (17) in such a way that the cable that is guided over the same and exiting tangentially, meets the guide deflection roller, and tangentially meets the other cable on the given swivelling axis (M-M, A-A).

7. (Currently Amended) The objective pivoting device of ~~any of claims 4 3 through 6~~, characterized in that at least one of the inner bearing shells (40C, 40D) carries a guide tappet (44) that guidingly engages into ~~the~~ a guide channel (35 - 38).

8. (Currently Amended) The objective pivoting device ~~of any of the above claims 1~~, characterized in that in each corner region of the holding frame (17) three deflection rollers (61, 63, 65) are disposed offset from one another and the one in the center is a tension roller (65) that is supported inside an angle lever (67), which has an adjusting screw (68) acting upon its other side.

9. (Original) The objective pivoting device of claim 8, characterized in that in each cable control (20A - 20C; 21A - 21C) at least one of the adjusting screws (68) acts upon the angle lever (67) via a tension spring (66).

10. (Original) The objective pivoting device of claim 8, characterized in that on the shafts of the stationary deflection rollers (61, 63) an additional deflection roller (62, 64) is supported coaxially in each case, over which the given other cable control is guided.

11. (Currently Amended) The objective pivoting device of ~~any of the above~~ claims 1, characterized in that a deflection roller (60) is disposed near the adjustment shaft coil (22B, 23B) in each case, in such a way that the deflected cable (20C, 21C) extends tangentially to the adjustment shaft (20, 21).

12. (Currently Amended) The objective pivoting device of ~~any of the above~~ claims 1, characterized in that the adjustment shafts (20, 21) carry an incremental angle transmitter (70, 71) in each case, and at least two zero

position indicators are directly or indirectly disposed on the objective holder (53).

13. (Currently Amended) The objective pivoting device of ~~any of the above~~ claims 1, characterized in that the objective holder (53) is held centered in the bearing shields (31 - 34) on the cable controls (20A - 20C; 21A - 21C) and disposed in a loose fit in annular ball socket bearings (54A, 54B), one of which is disposed on the support plate (17).

14. (Currently Amended) The objective pivoting device of claim 12 ~~and 13~~, characterized in that the incremental angle transducers (70, 71) and zero indicators are connected to a contact unit, to which a circuit ~~plate~~ board (12) is connected by means of contacts, said circuit board (12) being disposed on the holding frame (17) in front of the pivoting adjustment means (20, 21).

15. (Currently Amended) The objective pivoting device of ~~any of the above~~ claims 1, characterized in that the holding frame (17) is disposed in a rear housing (11), which incorporates a bellow connection channel and eccentric levers (72) to fix the bellow.

16. (Currently Amended) The objective pivoting device of ~~any of the above~~ claims 15, characterized in that the rear housing (11) is covered with a front cover (10) so that ~~the~~ a circuit board (12) and the holding frames (17) with the adjusting and bearing elements (40) are enclosed therein, with the objective holder (53) projecting with its edge regions from a circular opening.

17. (Currently Amended) The objective pivoting device of ~~any of the above~~ claims 1, characterized in that the objective holder (53) carries at its front, inside an annular channel, a retaining ring (56) that is openable with a spring-loaded fastener (58) to exchange the objective.